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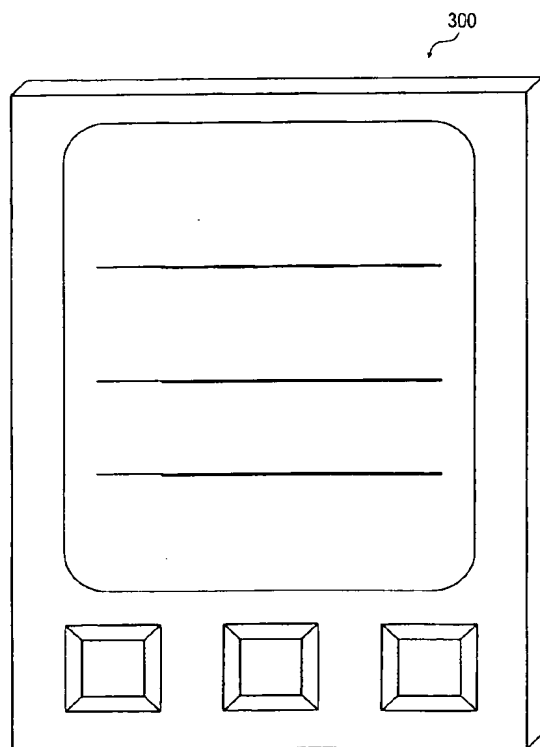
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[Continued on next page]

(54) Title: **ADVANCED CONTROL DEVICE FOR HOME ENTERTAINMENT UTILIZING THREE DIMENSIONAL MOTION TECHNOLOGY**



(57) Abstract: A hand held device for generating commands and transferring data between the hand-held device and a base device (including consumer electronic equipment). The hand-held device detects the motion of the device itself, interpreting the motion as a command, and executing or transferring the command. The motion of the device can include gestures made by the user while holding the device, such as the motion of throwing the hand-held device toward a base device. The commands generated by the user range from basic on/off commands to complex processes, such as the transfer of data. In one embodiment, the user can train the device to learn new motions associated with existing or new commands. The hand-held device analyzes the basic components of the motion to create a motion model such that the motion can be uniquely identified in the future.

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